

Safety Instruction

Thank you for purchasing this HD CCTV Camera. Please read these instructions carefully for a thorough understanding of how the cameras operates.

1. Operating requirements

- 1.1 Before using the camera ,please read this manual carefully and keep it safely for later use.
- 1.2 Installation should be proceed by professional service and follow manufacturer's instructions, do not dismantle without authorization.
- 1.3 In order to prevent sensor ,do not expose lens to intense light source in long time.
- 1.4 Do not touch sensor directly. Please covers the dustproof cover when the camera is not being used.
- 1.5 Please use a dry soft cloth to clean the camera. If dirt difficult to clean, use detergent with water and wipe dry the camera.
- 1.6 Do not install camera under air conditioning's air gate ,or else lens blur with condensation of moisture.
- 1.7 Please ensure that all electric power sources are turned off when not open , installation ,clean, etc operation.
- 1.8 Please transporting , using and storing the camera in allowable temperature and humidity.
- 1.9 If the camera was broken, for example power cord or plug damaged ,splash liquid or foreign matter fall into camera, raining ,wetting ,etc can't work situation ,please contact manufacturer or maintenance center (modify and maintenance without permission ,you must be responsible for the problems)

2. Statement

- 2.1 All photos here are for reference only .Specifications are subject to physical product.
- 2.2 This manual is subject to change without further notice.
- 2.3 Please contact with customer service for the newest procedures and supplementary specification.
- 2.4 This manual list several model numbers for reference , please user according actual product to operating.
- 2.5 We will do the best to keep this manual complete and accurate, but some data may has deviation. If any doubt or dispute ,company retain the final right of the product.

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Feature

- ACCE (Adaptive Color & Contrast Enhancement)
- NTSC/PAL Selectable
- DC Lens/ RS485

Specification

Imaging Sensor	1/3" 2.1Megapixel CMOS
Scanning System	Progressive Scan
S/N Ratio	More than 50dB (AGC Off)
Video Output Mode	1080P(1920 X 1080)
Video Output Level	HD-SDI /1.0 Vp-p (75Ω, Composite)
Lens	3.6mm/F2.0
Min. Illumination	1.0Lux(Color) , 0. 5Lux (BW)
IR Distance	30M (with Ø 5X36PCS LED)
OSD	Built-in
Electronic Shutter	Auto/FLK/1/25,30sec ~ 1/50000sec
AGC	Low/Middle/High
2D/3D-NR	2DNR/3DNR/SMART NR
Digital Zoom/PIP	On/Off(x2 ~ x8)
D-DFEECT	Freeze/Mirror/D-Zoom/NEG. IMAGE
Voltage/Current	DC12V±10% / 800mA
Operating temperature	-10° ~ +50° C
Dimension (mm)	148(W) x 65(H) x 30(D)mm
Weight (g)	500

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HD CCTV CAMERA

USER MANUAL



INTRODUCTION:

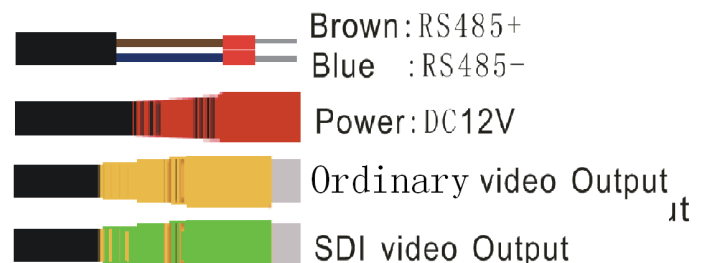
This camera which has 2.1M Pixes is specially designed for security monitoring. It applies the latest 2.1M Pixes progressive scan CMOS. It is a heavyweight new-designed HD camera which applied DC12V and support user customize the output parameter settings.

Packing List

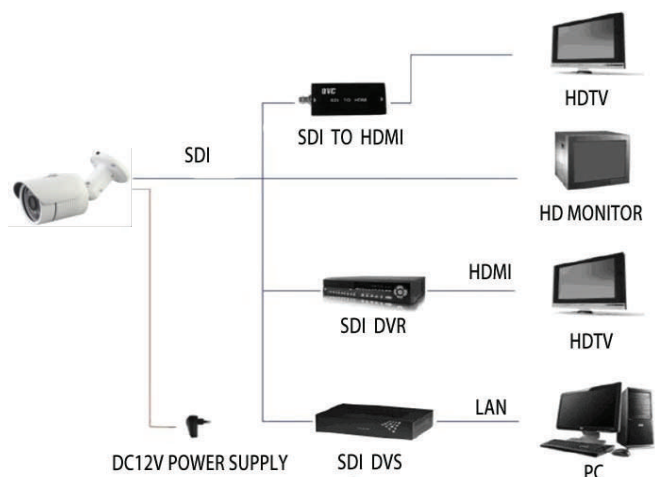
NO.	Name	Model	Number
1	Camera	KHS-122R20	1
2	Power line	—	1
3	Warranty Card	—	1

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Wire ports



Application method



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Function Menu					indicates				
					LENS				
					* ELC/ALC: Select Fix iris and Auto Iris Lens.				
OSD MENU					EXPOSURE				
					1.Using this function, you can control screen brightness.				
					▶ BRIGHTNESS: You can control the brightness .				
					▶ SHUTTER: MANUAL/AUTO.				
					* MANUAL				
					NTSC: 1/30 ~ 1/60000,				
					PAL: 1/25 ~ 1/60000,				
					* FLICKER: Select this when you picture flicker.				
					* AUTO: Select this mode to control the shutter speed				
					automatically. Shutter speed is automatically controlled				
					depending on the brightness of the screen.				
					▶ SENS-UP: When it is night, the camera automatically				
					detects the light level and maintains a clear picture.				
					▶ AGC: You can adjust it . The higher the gain level, the				
					brighter the screen but the higher the noise.				
					BACKLIGHT				
					▶ HLC: To inhibit strong light and compensate				
					brightness of the area around it.				
					* LEVEL:0-20 * MODE :ALL DAY/NIGHT ONLY				
					▶ BACKLIGHT: This function allows you to get a clear				
					pictures of objects even the objects in strong backlight.				
					* H-POS/V-POS/H-SIZE/V-SIZE				
					▶ WDR: If there are bright area and dark area on the screen				
					at the same time, this function makes both areas to be in clear				
					image.				
					* LOW/MIDDLE/HIGH				
How to use the camera									
LENS									
1.When the SETUP menu screen is displayed, select LENS									
by									
using the UP and Down buttons so that the arrow					5				
WHITE BAL.					MOTION				
According to the color temperature of environment to					▶ SENSITIVITY: When the number is high, the detection is				
adjust the camera's color.					increased to recognize even small movement.				
* AUTO/AUTOext/PRESET/MANUAL					▶ WINDOW TONE: 0~6.				
					▶ DET H-POS:0~60.				
					▶ DET V-POS:0~40.				
					▶ DET H-SIZE:0~60.				
					▶ DET V-SIZE:0~40.				
					▶ MOTION OSD: ON/OFF.				
					▶ ALARM: ON/OFF.				
DNR					SYSTEM				
This function reduces the background noise in a low					▶ COM.: Communication settings.				
luminance					* CAM ID/BAUDRATE				
environment.					▶ IMAGE RANGE: USER/FULL/COMP.				
* LOW/MIDDLE/HIGH					▶ OUTPUT MODE: 1080P/720P.				
					▶ COLOR SPACE: HD-CbCr/YUV/SD-CbCr.				
					▶ FRAME RATE: 25FPS/30FPS.				
					▶ CVBS: PAL/NTSC.				
					▶ LANGUAGE: ENG/CHN/CHN(S)/JPN/KOR.				
					▶ COLORBAR: OFF/ON.				
					▶ RESET				
IMAGE									
▶ SHARPNESS (0~10) : Adjust the sharpness of the									
image.									
▶ GAMMA: Set the GAMMA value of camera.									
▶ COLOR GAIN: 0~20.									
▶ MIRROR: you can flip the image horizontally.									
▶ FLIP: you can flip the image vertically.									
▶ D-ZOOM: 1.0X~8.0X.									
▶ ACE: Adaptive Color Enhancement.									
If there are bright area and dark area on the screen at the									
same time, this function makes both areas to be in clear									
image.									
* OFF/LOW/MIDDLE/HIGH									
▶ SHADING: Lens shading compensation.									
▶ PRIVACY: Hide an area you want to hide on the screen.									
* ZONE NUM : 0~15									
* ZONE DISP : ON/OFF									
* H-POS/V-POS/H-SIZE/V-SIZE									
* Y-LEVEL/CR-LEVEL/CB-LVEL									